

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052284.D
 Acq On : 13 Nov 2018 14:10
 Operator : MD\SY
 Sample : VN1113WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:18 AM

Quant Time: Nov 14 01:16:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	46224	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	270976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	238508	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110784	32.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.63%
60) 4-Bromofluorobenzene	12.40	95	108962	28.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.20%
63) Toluene-d8	10.09	98	341556	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	70398	22.803	ug/l 99
3) Chloromethane	2.06	50	80755	22.887	ug/l 98
4) Vinyl Chloride	2.19	62	68328	19.741	ug/l 100
5) Bromomethane	2.58	94	39412	16.682	ug/l 98
6) Chloroethane	2.71	64	38760	17.513	ug/l 96
7) Trichlorofluoromethane	3.03	101	94691	20.202	ug/l 99
8) Diethyl Ether	3.41	74	34217	21.621	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59093	21.571	ug/l 95
10) 1,1-Dichloroethene	3.74	96	51672	20.214	ug/l 98
11) Methyl Iodide	3.96	142	73203	19.806	ug/l 95
12) Methyl Acetate	4.33	43	53593	24.909	ug/l 97
13) Acrolein	3.61	56	24434	107.066	ug/l 97
14) Acrylonitrile	4.99	53	108134	113.330	ug/l 99
15) Acetone	3.82	58	27009	119.769	ug/l 80
16) Carbon Disulfide	4.06	76	145213	19.239	ug/l 96
17) Allyl chloride	4.33	41	98693	22.739	ug/l 97
18) Methylene Chloride	4.55	84	60033	19.027	ug/l # 83
19) trans-1,2-Dichloroethene	5.05	96	54801	19.566	ug/l 95
20) Diisopropyl ether	5.96	45	223910	23.741	ug/l 98
21) 1,1-Dichloroethane	5.86	63	119485	21.679	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	63553	19.432	ug/l 90
23) tert-Butyl Alcohol	4.78	59	18802	126.474	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	151831	20.951	ug/l # 81
25) Chloroform	7.37	83	113413	20.493	ug/l 92
26) Cyclohexane	7.66	56	105671	21.387	ug/l # 91
29) 1,1-Dichloropropene	7.80	75	85871	19.960	ug/l 99
30) 2-Butanone	6.84	43	134627	117.507	ug/l # 82
31) 2,2-Dichloropropane	6.83	77	87513	19.747	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	92435	19.203	ug/l 97
33) Carbon Tetrachloride	7.78	117	82341	19.235	ug/l 99
34) Benzene	8.04	78	253818	20.149	ug/l 95
35) Methacrylonitrile	7.18	41	35491	22.585	ug/l # 80
36) 1,2-Dichloroethane	8.13	62	88692	21.058	ug/l 100
37) Trichloroethene	8.84	130	63327	20.086	ug/l 89
38) Methylcyclohexane	9.08	83	97353	18.550	ug/l 93
39) 1,2-Dichloropropane	9.12	63	72872	21.732	ug/l 98
40) Dibromomethane	9.21	93	41129	19.899	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	82700	19.556	ug/l	94
42) Vinyl Acetate	5.90	43	769947	114.795	ug/l	97
43) Ethyl Acetate	6.84	43	134627	23.382	ug/l #	87
44) Isopropyl Acetate	8.17	43	114029	23.920	ug/l	92
45) 1,4-Dioxane	9.19	88	9967	458.317	ug/l #	69
46) Methyl methacrylate	9.20	41	56786	23.931	ug/l	88
47) n-amyl Acetate	12.07	43	88067	20.381	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	83394	19.859	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	96952	20.003	ug/l	91
50) 1,1,2-Trichloroethane	10.56	97	53861	19.707	ug/l	95
51) Ethyl methacrylate	10.43	69	68951	19.520	ug/l	84
52) 1,3-Dichloropropane	10.71	76	97794	20.542	ug/l	99
53) Dibromochloromethane	10.90	129	56523	19.156	ug/l	100
54) 1,2-Dibromoethane	11.01	107	54186	19.551	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	207533	107.292	ug/l	98
56) Bromoform	12.12	173	32166	18.875	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	303374	118.703	ug/l	95
59) 2-Hexanone	10.75	43	195169	110.910	ug/l	97
61) Tetrachloroethene	10.63	164	53783	20.734	ug/l	96
62) Toluene	10.16	91	270884	20.232	ug/l	99
64) Chlorobenzene	11.43	112	160714	18.940	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	59028	20.438	ug/l	99
66) Ethyl Benzene	11.51	91	285454	19.738	ug/l	96
67) m/p-Xylenes	11.62	106	209424	37.612	ug/l	97
68) o-Xylene	11.95	106	101000	19.026	ug/l	100
69) Styrene	11.96	104	163412	19.103	ug/l	97
70) Isopropylbenzene	12.25	105	277428	19.468	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	66420	21.190	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	58586m	21.258	ug/l	
73) Bromobenzene	12.53	156	62028	19.644	ug/l	97
74) n-propylbenzene	12.59	91	323007	19.464	ug/l	100
75) 2-Chlorotoluene	12.67	91	186778	19.522	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	221503	19.384	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15727	18.238	ug/l	90
78) 4-Chlorotoluene	12.77	91	187696	19.482	ug/l	97
79) tert-butylbenzene	12.99	119	192653	19.354	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	221213	19.432	ug/l	98
81) sec-Butylbenzene	13.17	105	265837	19.406	ug/l	100
82) p-Isopropyltoluene	13.29	119	222783	19.244	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	109431	19.592	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	103799	18.773	ug/l	97
85) n-Butylbenzene	13.61	91	189067	18.870	ug/l	99
86) Hexachloroethane	13.87	117	37688	19.292	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	105111	19.807	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8766	20.452	ug/l	89
89) 1,2,4-Trichlorobenzene	14.91	180	43008	19.965	ug/l	98
90) Hexachlorobutadiene	15.01	225	25351	21.511	ug/l	98
91) Naphthalene	15.13	128	97238	19.584	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	40400	21.519	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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